

Aron Teh

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📁 Professional Experience

Amazon  Nov 2022 – present
Software Engineer London, United Kingdom

- Extended **React** and **TypeScript** component functionality to support right-to-left layout. Developed the multi-direction navigation strategy handling all user input logic, and the global application state consumed by all components in the Prime Video application. Scoped, planned and delegated tasks to other engineers.
- Designed and developed performant **SolidJS** components to integrate seamlessly with native React code.
- Migrated application metrics and alarm monitoring from legacy tool to a structured, predictable platform.
- Communicated and resolved customer-impacting high severity **on-call incidents**, using **AWS CloudWatch** and an **Elasticsearch**-powered platform to isolate and roll back problematic commits and deployments.
- Onboarded **2** new engineers during eighth week of tenure in absence of experienced team members.

THG  Sep 2021 – Oct 2022 | United Kingdom
Software Engineer

- Built **10** robust and reusable **Angular (TypeScript)** components, refactored from repetitive code logic within a customer-facing content management system. Facilitated library onboarding for **3** internal teams.
- Collaborated with UX designers to develop complex **Angular user interfaces**, used by **100** external clients.
- Developed and maintained a **GraphQL API** utilising **Java**, **Gradle** and **Spring backend** technologies.
- Created and owned entire team's **documentation**, vastly improving new engineer onboarding experience.

🔗 Notable Technical Projects

SkyStory 

- Dynamically themed, responsive progressive web application (**PWA**) where users query live and forecast weather information, utilising a third-party **REST API** service. Built with **Angular**, **Material** and **Tailwind**.
- Integrated **Firebase authentication** and **Firestore NoSQL database** saves queries for authenticated users.

NanoNote 


- Lightweight and responsive **Angular** application for sticky notes, secured with **Firebase authentication**.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic UI.

TurboFile 

- Responsive and multi-themed **React** application where users can upload and share files within seconds.
- Additional features to view, download and manage files are unlocked for users authenticated with Google.

🎓 Education

Imperial College London 2017 – 2021 | London, United Kingdom
MEng Aeronautical Engineering, 2:1 (69.6%)

- Master's Thesis  : Explored a **Python** implementation and solution to the sparse conic optimisation problem, using the Alternating Direction Method of Multipliers.
- Key Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.


🛠️ Technical Skills

HTML | **CSS** | **JavaScript** | **TypeScript** | **Python** | **SQL** | **React** (v18) | **Next.js** (v14) | **Angular**
Firebase (v10) | **Git** | **Tailwind** | **npm** | **Jest** | **REST** | **GraphQL** | **Testing** (Unit, Integrated, E2E)
Bash | **RxJS** | **Continuous Integration** | **Continuous Deployment** | **AWS** | **Docker** | **Kubernetes**

🌐 Languages

English (Native) | **Chinese** (Advanced) | **Spanish** (Beginner) | **Cantonese** (Beginner)

🎲 Interests

Chess  (Youngest Malaysia National Chess Champion (2013); FIDE Master (International Title); World Chess Olympiad Participant (Norway 2014); President of Imperial College London Chess Club, led team to win 1st place in every competition, most club members in recent history (2018-2019); Private Teacher)

Quantitative Finance | **Machine Learning**  | **Sports** (Swimming, Table Tennis, Badminton) | **Music**